

SEQUENCE LISTING

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MAEDA, Yoshikazu
SHIMADA, Kazuyuki

<120> ADENO-ASSOCIATED VIRUS-MEDIATED DELIVERY OF ANGIOGENIC
FACTORS

<130> 0800-0026

<140>

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<150> 60/226,056

<151> 2000-08-17

<160> 2

<170> PatentIn Ver. 2.0

<210> 1

<211> 576

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: VEGF-165

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<221> CDS

<222> (1)..(576)

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1 5 10 15	

tac ctc cac cat gcc aag tgg tcc cag gct gca ccc atg gca gaa gga	96
Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala Glu Gly	
20 25 30	

gga ggg cag aat cat cac gaa gtg gtg aag ttc atg gat gtc tat cag	144
Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln	
35 40 45	

cgc agc tac tgc cat cca atc gag acc ctg gtg gac atc ttc cag gag	192
Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu	
50 55 60	

tac cct gat gag atc gag tac atc ttc aag cca tcc tgt gtg ccc ctg	240
Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu	
65 70 75 80	

atg cga tgc ggg ggc tgc tgc aat gac gag ggc ctg gag tgt gtg ccc 288
Met Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu Glu Cys Val Pro
85 90 95

act gag gag tcc aac atc acc atg cag att atg cgg atc aaa cct cac 336
Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His
100 105 110

caa ggc cag cac ata gga gag atg agc ttc cta cag cac aac aaa tgt 384
Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys
115 120 125

gaa tgc aga cca aag aaa gat aga gca aga caa gaa aat ccc tgt ggg 432
Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly
130 135 140

cct tgc tca gag cgg aga aag cat ttg ttt gta caa gat ccg cag acg 480
Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr
145 150 155 160

tgt aaa tgt tcc tgc aaa aac aca gac tcg cgt tgc aag gcg agg cag 528
Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln
165 170 175

ctt gag tta aac gaa cgt act tgc aga tgt gac aag ccg agg cgg tga 576
Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
180 185 190

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<213> Artificial Sequence

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Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu Leu
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Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala Glu Gly
20 25 30

Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln
35 40 45

Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu
50 55 60

Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu
65 70 75 80

Met Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu Glu Cys Val Pro
85 90 95

Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His
100 105 110

Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys
115 120 125

Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly
130 135 140

Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr
145 150 155 160

Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln
165 170 175

Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
180 185 190

115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190